

Date: Tue, 12 Jan 93 17:04:49 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #53
To: Info-Hams

Info-Hams Digest Tue, 12 Jan 93 Volume 93 : Issue 53

Today's Topics:

Any comments about "Public" Field Day locations
Boatanchors of old (2 msgs)
Clueless Users
DXing Software
info-hams
Just How Good Is the R-9000?
Microwave oven modulation.
Midland 13-516 Transceiver Service Manual
Need a 3rd hand for Soldering!?
New Licensees: When did you test?
rcving keps
Spectrum Allocation
Yaesu FT 5100 Reviews??
Yugoslav hams?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 12 Jan 1993 20:56:05 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!howland.reston.ans.net!bogus.sura.net!
darwin.sura.net!udel!gvls1!gvlf9-q!rossi@network.UCSD.EDU
Subject: Any comments about "Public" Field Day locations
To: info-hams@ucsd.edu

With Field Day only about 5 months away I have begun to make some
preliminary plans. I was thinking of going for the extra bonus points
and organizing a FD operation from "public" place. Looking for comments

> o Coils are pre-wound and cables pre-harnessed.
> o High-quality components used throughout for reliable performance.
> o Features 5-point TVI suppression.
> o Easy to build from complete instructions and pictorial diagrams
> enclosed.
>
> Don't you just wish they still offered a kit like this?
> Naaaaah! No bells and whistles! And ya gotta know how to tune the finals!
The DX-20 was my first rig. Worked 30-some-odd states on the novice bands from
a bottom-loaded vertical.

So now, gray beard and all, I'm setting up a new station: National NC-300
receiver and Heath Apache transmitter (180 watts from a pair of 6146's, and
BEAUTIFULLY modulated AM).

Cheers!
Jim Speer, K5YUT

Date: 12 Jan 93 22:21:03 GMT
From: sdd.hp.com!spool.mu.edu!howland.reston.ans.net!zaphod.mps.ohio-state.edu!
saimiri.primate.wisc.edu!crdgw1!rdsunx.crd.ge.com!crd.ge.com!
mallick@network.UCSD.EDU
Subject: Boatanchors of old
To: info-hams@ucsd.edu

In article <199301121735.AA07798@tilde.csc.ti.com>, dube@cpdvax.CSc.ti.COM writes:

|>
|> Subj: Boatanchors of old
|>
|> Here's something that ought to bring back memories for the OF on the
|> net:
|>
|> I just obtained a FB copy of a 1957 Heathkit catalog. Among other items
|> listed is a DX-20 (\$35.95), DX-35 (\$56.95), and DX-100 (\$189.50).
|> you could also get the VF-1 VFO for \$19.50 and the AR-3 receiver for
|> \$30.75.
|>
|> Those old specs weren't bad, either. The -20 boasted 50 watts from a
|> 6DQ6A, the -35 ran 65 watts from a 6146, and the -100 claimed 140 watts
|> (CW) from a pair of 6146s. For the newer Hams, these were straight
|> transmitters. You had to have a separate receiver.
|>
|> Here are the advertising bullets for the -100:
|> o Phone or CW on 160,80,40,20,15,11,and 10 meters.
|> o Built-in VFO, modulator, and power supplies.
|> o Kit includes all parts-tubes-hardware-cabinet, etc.

|> o Coils are pre-wound and cables pre-harnessed.
|> o High-quality components used throughout for reliable performance.
|> o Features 5-point TVI suppression.
|> o Easy to build from complete instructions and pictorial diagrams
|> enclosed.
|>
|> Don't you just wish they still offered a kit like this?
|> Naaaaah! No bells and whistles! And ya gotta know how to tune the finals!
|>
|> 73,
|> Dube Todd AB5AP <dube@cpdvax.csc.ti.com>

You ought to publish the shipping weights along with the specs :-)

--

John A. Mallick WA1HNL
GE Corporate Research and Development
Schenectady, NY 12301

Date: 12 Jan 1993 23:57:16 GMT
From: ucsd.edu!brian@network.UCSD.EDU
Subject: Clueless Users
To: info-hams@ucsd.edu

We do it specifically to piss you off. Seems to work.
- Brian

Date: 12 Jan 93 21:36:20 GMT
From: news-mail-gateway@ucsd.edu
Subject: DXing Software
To: info-hams@ucsd.edu

I'm sure this has been aired before, but I'm looking for some good dx logging software. I understand that the CT program is mainly for contesting and doesn't keep track of awards or allow name or comment fields. Is anyone using a good DXing and awards logging program that you could tell me about? Does 2nd OP fill that bill? Is anyone out there using it?

Thanks.

steve - W3GRG
mosier@uncg.bitnet
mosier@iris.uncg.edu

Date: 12 Jan 93 22:01:55 GMT
From: news-mail-gateway@ucsd.edu
Subject: info-hams
To: info-hams@ucsd.edu

Subscribe info-hams

Date: Tue, 12 Jan 1993 20:19:11 GMT
From: usc!zaphod.mps.ohio-state.edu!caen!destroyer!fmsrl7!lynx.unm.edu!
mimbres.cs.unm.edu!constellation!osuunx.ucc.okstate.edu!datacomm.ucc.okstate.edu!
martin@network.UCSD.EDU
Subject: Just How Good Is the R-9000?
To: info-hams@ucsd.edu

I saw the R9000 at the Oklahoma Ham Holiday, last Summer. It was absolutely full of lots of great features. Unfortunately, it was also full of lots of heat. My only real complaint about Icom equipment is that there has not been enough attention to the heat problem when you consider the engineering sophistication and cost of the products. I own an R71A and R7000 and have had a number of pesky problems with both receivers. As far as I know, every one of those problems has been caused by heat dissipation deficiencies. If Icom can learn to make frequency displays and power supplies that don't need almost constant attention, they will really have something to be proud of. I have joked that the electrolitics and IC voltage regulators in the R7000 should all be in sockets since they go bad about like vaccuum tubes.

By contrast, I have a Regency 50-channel scanner which I bought in 1983. It is almost room-temperature, to the touch, and I had never had the case off of it until just a few days ago when I had to give the volume and squelch pots a shot of WD40. Now that's what I call good design.

Martin McCormick WB5AGZ Stillwater, OK
O.S.U. Computer Center Data Communications Group

Date: 12 Jan 93 20:46:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Microwave oven modulation.
To: info-hams@ucsd.edu

The Summer 1990 issue of Applied Microwave Magazine has a nice article on how to turn a microwave oven into a 500 watt injection locked amplifier. The system is not a linear amplifier, but will work with FM and other non-

amplitude modulated signals. The frequency is usually 2450 MHz. BTW, the microwave oven magnetrons are designed for CW operation. I'm not sure how well they will do with some of the pulsed modes.

73, Erich KA6AMD @ WA6YBN.#SOCA.CA.USA.NA
Internet: muschinske%39a.decnet@scfb.chinalake.navy.mil

Date: Tue, 12 Jan 93 16:31:00 EST
From: vnet.ibm.com@uunet.uu.net
Subject: Midland 13-516 Transceiver Service Manual
To: info-hams@ucsd.edu

I am looking for a Technical Service Manual for a Midland 13-516 VHF Tranceiver (or a copy of one). Up until now, I have been unable to locate anyone who can help me.

Any help or information would be appreciated. Please respond to the following internet id.

Wayne Salhany
salhany@vnet.ibm.com

--... ..- -... ..- -... ..- -... ..- -... ..

Date: Tue, 12 Jan 1993 19:37:22 GMT
From: sdd.hp.com!caen!destroyer!fmsrl7!lynx.unm.edu!mimbres.cs.unm.edu!constellation!osuunx.ucc.okstate.edu!datacomm.ucc.okstate.edu!martin@network.UCSD.EDU
Subject: Need a 3rd hand for Soldering!?
To: info-hams@ucsd.edu

Murphy's first law for blind hams is that when you get everything situated for soldering and it seems that it's time to apply the heat, something will move as soon as it is too hot to touch anything. The solder will always create a bridge. The job, now, is to wick or slerp away the bridge and make everything neat, again.

For those who are curious, it is possible for a blind person to solder, but one, obviously, has to do some things differently. It is better to use one of those little cordless soldering guns with the finest tip, available.

It is easiest to solder accurately if all the stuff can be made to stay still during the cooking. I don't know of any magical way to handle surface-mount components other than to stay away from them.

The way a soldered connection feels is important. If it wiggles, of course, it is no good. If it feels sticky or grainy, it is probably no good. It should feel almost glass-like under a fingernail.

Martin McCormick WB5AGZ Stillwater, OK
O.S.U. Computer Center Data Communications Group

Date: 12 Jan 1993 21:47:43 GMT
From: swrinde!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU
Subject: New Licensees: When did you test?
To: info-hams@ucsd.edu

In article <1993Jan12.180514.8514@shearson.com> mjohnsto@jenny.shearson.com (Mike Johnston) writes:

>I know the FCC is saying 90-120 days for new hams, but
>I'm hoping this is a worst case scenario. Knowing the way the government
>estimates things (like deficits) this is probably way off.

If Mike knows how the Government estimates things than he must know that 90-120 days probably represents the BEST case.

-grl.

Date: Tue, 12 Jan 1993 21:49:39 GMT
From: telesoft!garym@uunet.uu.net
Subject: rcving keps
To: info-hams@ucsd.edu

In <fred-mckenzie-120193093556@k4dii.ksc.nasa.gov> fred-mckenzie@ksc.nasa.gov (Fred McKenzie) writes:

>In article <9301112220.AA40713@lamar.ColoState.EDU>,
>lupine@lamar.colostate.edu (Kevin Moore) wrote:
>> Would you please put me on the e-mail list for 2-line orbital elements?
>> Also if you can, I would appreciate elements for as many satellites as
>> possible, not just the ham sats.

>I didn't know there was an e-mail list for the 2-line elements...

There is an email list for Space Shuttle elements, which need more frequent updating than most satellites. If you want more information about the Shuttle Elements List send a message containing the line "send info/elements-mailing-list" to "listserv@telesoft.com". The address to write to for a subscription or information is

"elements-request@telesoft.com" (or just reply by email to this posting).

For elements of interest to radio amateurs (primarily OSCAR satellites), AMSAT has a Keplerian Elements mailing list, send an email request to listserv@amsat.org for list information or for a subscription to the "KEPS" list.

For other satellites, there are weekly news postings from Dr. TS Kelso in the newsgroup sci.space.news. If you have ftp, check under /pub/astro on "ftp.funet.fi" and /pub/space on "archive.afeit.af.mil".
--GaryM

--

Gary Morris KK6YB Internet: elements-request@telesoft.com
San Diego, CA, USA Phone: +1 619-457-2700

Date: Tue, 12 Jan 93 20:28:50 GMT
From: swrinde!zaphod.mps.ohio-state.edu!caen!destroyer!cs.ubc.ca!mprgate.mpr.ca!rosenaue@network.UCSD.EDU
Subject: Spectrum Allocation
To: info-hams@ucsd.edu

>>Band Designations

>>-----

>> 0 Hz- 20 KHz --- Audio

>> 20KHz- 540KHz --- VLF

>>540KHz- 30MHz --- Radio

>> 30MHz- up --- Voodoo

>

>Naw...you're incomplete:

>

> 0 Hz- 20KHz: audio

> 20KHz- 540KHz: VLF

> 540KHz- 30MHz: slow waves

> 30MHz- 512MHz: radio

> 512MHz-1300MHz: nosebleed

>1300MHz- 10GHz: voodoo

> 10GHz- 300GHz: pixie dust and mirrors

> 300GHz up: daylight

Well if you are an RF/Microwave type you get

0 Hz- 20KHz: DC

20KHz- 540KHz: DC

540KHz- 30MHz: DC

30MHz- 512MHz: audio
512MHz-1300MHz: VLF
1300MHz- 10GHz: radio
10GHz- 300GHz: VHF
300GHz up: UHF

--

Dennis Rosenauer VE7BPE rosenau@mprgate.mpr.ca
MPR Teltech Ltd.
Radio & Satellite Network Development "For every vision there is an
Burnaby, B. C. equal and opposite revision"

Date: Tue, 12 Jan 1993 20:46:45 GMT
From: swrinde!emory!kd4nc!n4tii@network.UCSD.EDU
Subject: Yaesu FT 5100 Reviews??
To: info-hams@ucsd.edu

I have a question about your review of the 5100....

On the scan function, when running PL decode, will it stop on a busy channel even if the wrong pl is there, or no pl at all, and just mute the audio? Or will it just skip over it, just like my Kenwood TH-77?

I have the Yeasu FT-212RH and when I decode PL on a memory, and I am scanning, if a signal comes in on the same freq. as the decoding channel, the scan will stop yet the audio is muted. (Do you understand this? It's almost confusing me as a write it! 8^)

Thanks for the help.

73 de John
n4tii

n4tii%kd4nc.uucp@gatech.edu

Date: Tue, 12 Jan 1993 20:54:13 GMT
From: world!sharon@uunet.uu.net
Subject: Yugoslav hams?
To: info-hams@ucsd.edu

tedwards@eng.umd.edu (Thomas Grant Edwards) writes:

>What is the current status of hams in Yugoslavia, especially
>around the Belgrade area? Does the U.S. have a third-party

>agreement in effect?

To the best of my knowledge, the U.S. does not have a third-party agreement with Yugoslavia or any of the ex-Yugoslav republics.

This has little to do with your question, but I'd like to bring it up anyway ... The lack of a third-party agreement with ex-Yugoslav republics such as Slovenia, Croatia, and Bosnia, is a real problem when trying to pass messages on behalf of Bosnian refugees in and out of Bosnia.

Ham radio is the only means of communication left in and out of many Bosnian cities and towns (in fact, I just read this morning that the UN is going to try harder to get relief into a town 35 miles from Sarajevo, after a ham in Zagreb, Croatia, told officials the information he heard from a ham in that town -- that hundreds of people were dying of hunger and cold, and bodies were just stacking up inside homes because people are too weak to dig graves in the frozen ground. ...)

I and a colleague have checked with both the ARRL and FCC about how we can help Bosnian emigres and students here in the States get information to and from their families. The responses I received were, that while one cannot legally pass messages such as "So-and-so says to tell his father that he is", etc., one CAN say that "I am requesting information about so-and-so," so at least we can report whether the person is still alive and OK, and where (s)he is. Everyone understands that this kind of communication is really vital, because it is the only option left to people worried about the safety of their loved ones.

Another alternative I have used is to telephone a friend in Slovenia, with the message from the Bosnian here in the States; then my Slovene friend passed the message in via ham radio into Bosnia. We got the return message the same way -- by ham radio out of Bosnia, and then by telephone from Slovenia to here. Frankly, I would really like to see the FCC give official permission for 3rd-party traffic anywhere in the world, if it concerns people in Bosnia.

Although this was not at all your question, in case anyone reading is interested, right now it is just about impossible to pass messages in and out of Sarajevo to a non-ham in Sarajevo, because the local telephone service is out (along with the electricity, heat, and running water :- (:- (:- (). This means that the hams in Sarajevo cannot make telephone calls within the city to pass messages along.

However, hams throughout Bosnia have been doing incredible work trying to keep lines of communication open in unimaginably horrible conditions.

If you are asking about passing messages to and from people in Belgrade to avoid paying long-distance phone bills, that's probably another issue. Considering that there has been talk to tighten sanctions against Yugoslavia, with one option being cutting off postal and telecommunications links altogether, I doubt the FCC would look favorably on a request to *add* a third-party agreement with the Yugoslav government. In fact, I am wondering if such sanctions would affect the amateur-radio community, and if we would be prohibited from making contact with YU hams at all if such sanctions were added.

73, Sharon KC1YR

--

Sharon Machlis Gartenberg
Framingham, MA USA
e-mail: sharon@world.std.com

Date: Tue, 12 Jan 1993 19:45:18 GMT
From: sdd.hp.com!caen!destroyer!fmsrl7!lynx.unm.edu!mimbres.cs.unm.edu!
constellation!osuunx.ucc.okstate.edu!datacomm.ucc.okstate.edu!
martin@network.UCSD.EDU
To: info-hams@ucsd.edu

References <Tk1uwB2w164w@pilloock.moron.vware.mn.org>, <2993@eram.esi.COM.AU>,
<1993Jan5.154816.17650@ke4zv.uucp>unx
Subject : Re: Converting 49Mhz Toys to 6 meters

Twenty-cent resistors are a bit high until you think of all the overhead. Somebody, or maybe several somebodies had to count it, pack it in the blister, and hang it on the little peg for God knows how long until somebody bought it. During that time, the building needed to be heated or cooled and people had to be paid. I am not defending Radio Shack, but we are talking about economies of scale, here.

Martin McCormick WB5AGZ Stillwater, OK
O.S.U. Computer Center Data Communications Group

Date: 12 Jan 93 19:29:00 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!olivea!
mintaka.lcs.mit.edu!micro-heart-of-gold.mit.edu!xn.ll.mit.edu!ll.mit.edu!

tcs@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan12.134250.5062@ke4zv.uucp>, <1iupd8INNor9@rave.larc.nasa.gov>,
<8412@lib.tmc.edu>-of-
Reply-To : tcs@ll.mit.edu (Tom Sefranek)
Subject : Re: 1200Mhz is not a microwave band!

In article <8412@lib.tmc.edu>, jmaynard@oac.hsc.uth.tmc.edu (Jay Maynard) writes:

|> In article <1iupd8INNor9@rave.larc.nasa.gov> kludge@grissom.larc.nasa.gov

(Scott Dorsey) writes:

|> >Band Designations

|> >-----

|> > 0 Hz- 20 KHz --- Audio

|> > 20KHz- 540KHz --- VLF

|> >540KHz- 30MHz --- Radio

|> > 30MHz- up --- Voodoo

|>

|> Naw...you're incomplete:

|>

|> 0 Hz- 20KHz: audio

|> 20KHz- 540KHz: VLF

|> 540KHz- 30MHz: slow waves

|> 30MHz- 512MHz: radio

|> 512MHz-1300MHz: nosebleed

|> 1300MHz- 10GHz: voodoo

|> 10GHz- 300GHz: pixie dust and mirrors

|> 300GHz up: daylight

|> --

Nah Jay,

You have an unwholesome attitude...

0 Hz- 10 Ghz. D.C.

10 Ghz- Gamma Rays R.F.

Tom

--

```
-----
/ - / - / - / - /      |      Informal Class Sunday's @ 13:00 EST,
/ - / - / - / - /      / --- / --- / followed by a N&T VE Session @ 15:00,
      |                  x      | @ Navy Barracks @ Fort Devens, Ma.
/ - - / - - /          x      / --- / --- / Second & Fourth Mondays of the month.
      x      .      --x--      x      @ Lura A. White School Shirley, Ma.
      -x      |      x      x      E-Mail or call 617-981-3474 (Work)
      x      |      _x      x      Call in: 145.41, 145.45, 448.625 Mhz.
      x _ _ _ _ _ | _ _ _ _ _ ||x      x      Ham Radio (Elmer) Night @ 19:00 EST
      /          ||x\      /      \      First, Third, (Fifth) Mondays.
/ - - - - - - - - - / ||x\      / _ _ _ _ _ \ Thomas C. J. Sefranek WA1RHP
| [ ] [ ] ## [ ] | ||x | || | | || 112 Great Road Shirley, Ma. 01464
```

